



Part 70 Air Quality Permit

**ABC COMPANY
123 COMPLIANCE LANE
COLUMBIA, SC 29201**

In accordance with the provisions of the Pollution Control Act, Sections 48-1-50(5) and 48-1-110(a), and the 1976 Code of Laws of South Carolina, as amended, Regulation 61-62, the above named permittee is hereby granted permission to discharge air contaminants into the ambient air. The Bureau of Air Quality authorizes the operation of this facility and its applicable equipment specified herein in accordance with the plans, specifications and other information submitted in the Title V permit application dated January 15, 2001.

This permit is subject to and conditioned upon the terms, limitations, standards, and schedules contained in or specified on the 21 pages, with the accompanying attachments, of this permit.

Permit Number: TV-1910-0006
Issue Date: March 15, 2002

Effective Date Title V: April 1, 2002
Effective Date Title IV: April 1, 2002

Expiration Date Title V: March 30, 2007
Expiration Date Title IV: March 30, 2007

**Director, Engineering Services Division
Bureau of Air Quality**

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PART 1.0 GENERAL INFORMATION

A. APPLICABLE PERMIT DATES

ISSUE DATE : March 15, 2002
TITLE V EFFECTIVE DATE : April 1, 2002
TITLE IV EFFECTIVE DATE : April 1, 2002

TITLE V EXPIRATION DATE : March 30, 2007
TITLE IV EXPIRATION DATE : March 30, 2007

RENEWAL APPLICATION DUE : September 30, 2006

B. FACILITY INFORMATION

ENVIRONMENTAL CONTACT : Farklin Eyre
CONTACT TELEPHONE NUMBER : 803-123-4567
INTERNET E-MAIL ADDRESS : farklin.eyre@abc.com
FACILITY LOCATION : 123 Compliance Lane
COUNTY : Richland
SIC CODE(S) :
AFS CODE :

C. FACILITY ADDRESS

FACILITY NAME : ABC Company
ADDRESS : 123 Compliance Lane
CITY, STATE, ZIP : Columbia, SC 29201

D. FACILITY BILLING ADDRESS

FACILITY BILLING NAME : ABC Company
ADDRESS : 123 Compliance Lane
CITY, STATE, ZIP : Columbia, SC 29201

PART 2.0 APPLICABILITY [SC Regulation 61-62.70.3(a)]

The following sources are subject to permitting requirements of Part 70:

1. Any major source;
2. Any source, including an area source, subject to a standard, limitation, or other requirement under Section 111 of the Clean Air Act (Act);
3. Any source, including an area source, subject to a standard or other requirement under Section 112 of the Act, except that a source is not required to obtain a permit solely because it is subject to regulations or requirements under Section 112(r) of the Act;
4. Any affected source under the Title IV Acid Rain Program;
5. Any source in a source category designated by the Administrator of the US Environmental Protection Agency (US EPA) (Administrator) pursuant to this Section; and
6. Any source listed in SC Regulation 61-62.70.3(a) that is exempt from the requirement to obtain a permit under SC Regulation 61-62.70.3(b) may opt to apply for a permit under this Part 70 program.

The following source categories are exempted from the obligation to obtain a Part 70 permit, but are not exempted from other SC Department of Health and Environmental Control (Department) and US EPA requirements [SC Regulation 61-62.70.3(b)(4)]:

1. All sources and source categories that would be required to obtain a permit solely because they are subject to 40 CFR 60, Subpart AAA - Standards of Performance for New Residential Wood Heaters; and
2. All sources and source categories that would be required to obtain a permit solely because they are subject to 40 CFR 61, Subpart M - National Emission Standard for Hazardous Air Pollutants for Asbestos, Section 61.145, Standard for Demolition and Renovation.

Any person that operates or proposes to operate a particular source or installation may submit a request in writing that the Department makes a determination as to whether a particular source or installation is subject to the permit requirements of this regulation. The request must contain such information as is believed sufficient for the Department to make the requested determination. [SC Regulation 61-62.70.3(e)]

PART 3.0 GENERAL CONDITIONS

This section describes conditions and provisions applicable to all Part 70 sources. Specific source category conditions and requirements are contained in Part 5.0 of this permit. (Revised 05/21/99)

A. PERMIT ISSUANCE [SC Regulation 61-62.70.7(a)(1)]

A permit, permit modification, or renewal may be issued only if the following conditions have been met:

1. The Department has received a complete application for a permit, permit modification, or permit renewal;
2. Except for modifications qualifying for minor permit modification procedures under SC Regulation 61-62.70.7(e)(2) and (3), the Department has complied with the requirements for public participation under SC Regulation 61-62.70.7(h);
3. The Department has complied with the requirements for notifying and responding to affected States under SC Regulation 61-62.70.8(b);
4. The conditions of the permit provide for compliance with all applicable requirements and the requirements of Part 70; and
5. The Administrator has received a copy of the proposed permit and any notices required under SC Regulation 61-62.70.8(a) and (b), and has not objected to issuance of the permit under SC Regulation 61-62.70.8(c) within the required time frame.

A Title V operating permit does not excuse any facility from the preconstruction permitting requirements under SC Regulation 61-62.1.

B. PERMIT EXPIRATION AND RENEWAL [SC Regulation 61-62.70.7(c)] (Revised 11/13/98)

Permit expiration terminates the source's right to operate unless a timely and complete renewal application has been submitted consistent with SC Regulation 61-62.70.5(a)(1)(iii), 61-62.70.5(a)(2)(iv), and 61-62.70.7(b). In this case, the permit shall not expire until the renewal permit has been issued or denied. All terms and conditions of the permit including any permit shield that may be granted pursuant to SC Regulation 61-62.70.6(f) shall remain in effect until the renewal permit has been issued or denied.

Permits being renewed are subject to the same procedural requirements, including those for public participation, affected State and US EPA review, that apply to initial permit issuance.

C. SEVERABILITY [SC Regulation 61-62.70.6(a)(5)]

The provisions of this permit are severable, and if any provision of this permit, or application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

D. FEE ASSESSMENT AND PAYMENT [SC Regulation 61-62.70.6(a)(7)]

The owners or operators of Part 70 sources shall pay fees to the Department consistent with the fee schedule approved pursuant to SC Regulation 61-62.70.9.

E. SUBMITTAL OF INFORMATION [SC Regulation 61-62.70.6(a)(6)(v)]

The permittee shall furnish to the Department, within a reasonable time, any information that the Department may request, in writing, to determine whether cause exists for modifying, revoking, reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. The Department may also request that the permittee furnish such records directly to the Administrator along with a claim of confidentiality.

F. PUBLIC PARTICIPATION [SC Regulation 61-62.70.7(h)]

Except for modifications qualifying for minor permit modification procedures, all permit proceedings, including initial permit issuance, significant modifications, and renewals, shall provide adequate procedures for public notice including offering an opportunity for public comment and hearing on the draft permit. These procedures shall meet all requirements of SC Regulation 61-62.70.7(h).

G. PERMIT REOPENING [SC Regulation 61-62.70.7(f)] (Revised 05/21/99)

This permit shall be reopened and revised under any of the following circumstances:

1. Additional applicable requirements under the Act become applicable to a major Part 70 source for which three or more years remain on the original term of the permit. Such revisions shall be made not later than eighteen (18) months following promulgation of relevant standards or regulations unless the regulation specifically provides for a longer compliance period. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to SC Regulation 61-62.70.7(c)(1)(ii).

2. Additional requirements, including excess emission requirements, become applicable to an affected source under the acid rain program. Excess emissions offset plans shall be deemed to be incorporated into this permit upon approval by the Administrator.
3. The Department or EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
4. The Administrator or the Department determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

In addition, the permit may be modified, revoked, reopened, and reissued, or terminated for cause by the Department. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [SC Regulation 61-62.70.6(a)(6)(iii)]

Proceedings to reopen and issue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Such reopenings shall be as expeditious as practicable. Reopenings shall not be initiated before a notice of such intent is provided to the Part 70 source by the Department at least thirty (30) days in advance of the date that the permit is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

H. TEMPORARY SOURCES [SC Regulation 61-62.70.6(e)]

In accordance with SC Regulation 61-62.70.6(e), the Department may issue a single permit authorizing emissions from similar operations by the same source owner or operator at multiple temporary locations. The operation must be temporary and involve at least one change in location during the term of the permit. No sources subject to Title IV of the Act shall be permitted as a temporary source.

I. EMERGENCY PROVISIONS [SC Regulation 61-62.70.6(g)(3)] (Revised 05/21/99)

In the case of an emergency, as defined in SC Regulation 61-62.70.6(g), the permittee shall verify an affirmative defense of emergency through properly signed, contemporaneous operating logs, or other relevant evidence that:

1. An emergency occurred and that the permittee can identify the cause(s) of the emergency;
2. The permitted facility was at the time being properly operated; and
3. During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit.;

Additionally, the permittee shall submit verbal notification of the emergency to the Department within twenty-four (24) hours of the time when emission limitations were exceeded, followed by written notifications within thirty (30) days. This notice fulfills the requirement of SC Regulation 61-62.70.6(a)(3)(iii)(B). This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

This provision is in addition to any emergency or upset provision contained in any applicable requirement. In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.

J. PROPERTY RIGHTS [SC Regulation 61-62.70.6(a)(6)(iv)]

This permit does not convey any property rights of any sort, or any exclusive privilege.

K. ECONOMIC INCENTIVES, MARKETABLE PERMITS, EMISSION TRADING [SC Regulation 61-62.70.6(a)(8)]

No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.

L. TITLE IV SOURCES [SC Regulation 61-62.70.6(a)(4)]

The permittee is prohibited from emissions exceeding any allowances that the source lawfully holds under Title IV of the Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by a source. The source may not, however, use allowances as a defense for noncompliance with any other applicable requirement. Any such allowances shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Act.

Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions shall be incorporated into the permit and shall be enforceable by the Administrator. [SC Regulation 61-62.70.6(a)(1)(ii)]

M. ADMINISTRATIVE PERMIT AMENDMENTS [SC Regulation 61-62.70.7(d)(3)]

An administrative permit amendment as defined in SC Regulation 61-62.70.7(d) can be made by the Department consistent with the following:

1. The Department shall take no more than sixty (60) days from receipt of a request for an administrative permit amendment to take final action on such request, and may incorporate such changes without providing notice to the public or affected States provided that it designates any such permit revisions as having been made pursuant to this paragraph.
2. The Department shall submit a copy of the revised permit to the Administrator.
3. The source may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request, except transfer/ownership which must comply with SC Regulation 61-62.1, Section II(E).

N. MINOR PERMIT MODIFICATIONS [SC Regulation 61-62.70.7(e)(2)]

Minor permit modifications can be made by the Department in accordance with SC Regulation 61-62.70.7(e)(2)(i). An application requesting the use of minor permit modification procedures shall meet the requirements of SC Regulation 61-62.70.5(c) and shall include items as specified in SC Regulation 61-62.70.7(e)(2)(ii).

The Department may modify the procedure outlined in SC Regulation 61-62.70.7(e)(2) to process groups of a source's applications for certain modifications eligible for minor permit modification processing. Group processing of minor permit applications will proceed as outlined in SC Regulation 61-62.70.7(e)(3).

O. SIGNIFICANT MODIFICATION PROCEDURES [SC Regulation 61-62.70.7(e)(4)]

Significant permit modification procedures shall be used for applications requesting permit modifications listed in SC Regulation 61-62.70.7(e)(4)(i). Significant permit modifications shall meet all requirements of this Part 70, including those for applications, public participation, review by affected States, and review by EPA, as they apply to permit issuance and permit renewal.

P. DUTY TO COMPLY [SC Regulation 61-62.70.6(a)(6)(i)]

The permittee must comply with all of the conditions of this permit. Any permit noncompliance constitutes a violation of the SC Pollution Control Act and/or the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of permit renewal application.

Q. INSPECTION AND ENTRY [SC Regulation 61-62.70.6(c)(2)]

Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Department or an authorized representative to perform the following:

1. Enter upon the permittee's premises where a Part 70 source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit.
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit.
3. Inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
4. As authorized by the Act and/or the SC Pollution Control Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

R. COMPLIANCE REQUIREMENTS [SC Regulation 61-62.70.6(c)(5)] (Revised 05/21/99)

Consistent with SC Regulation 61-62.70.6(a)(3), this permit contains compliance certification, testing, monitoring, reporting, and record keeping requirements sufficient to assure compliance with the terms and conditions of this permit. Any document (including reports) shall contain a certification by a responsible official or designee that meets the requirements of SC Regulation 61-62.70.5(d).

The responsible official or designee shall certify, annually, compliance with the conditions of this permit. The compliance certification shall include the following:

1. The identification of each term or condition of the permit that is the basis of the certification.
2. The identification of the methods or means used for determining the compliance status with each term and condition during the certification period, and whether such methods or means provide continuous or intermittent data.
3. The status of compliance with the terms and conditions of the permit for the period covered by the certification.
4. Such other facts as the Department may require to determine the compliance status of the source.
5. All compliance certifications shall be submitted to the Administrator as well as to the Department.

The annual compliance certification shall be sent to the Environmental Protection Agency (EPA) and the South Carolina Department of Health and Environmental Control - Bureau of Air Quality (SC DHEC - BAQ) at the following addresses:

US EPA, Region 4
Air Enforcement Branch
61 Forsyth Street
Atlanta, GA 30303

SC DHEC - BAQ
Technical Management Section
2600 Bull Street
Columbia, SC 29201

S. SCHEDULE OF COMPLIANCE [SC Regulation 61-62.70.5(c)(8)] (Revised 5/21/99)

The permittee shall submit a compliance schedule that contains the following for all Part 70 sources that are not in compliance with all applicable rules:

1. A description of the source's compliance status and where appropriate a compliance schedule with respect to all applicable requirements as follows:
 - (a) For applicable requirements with which the source is in compliance, a statement that during the permit term the source will continue to comply with such requirements.
 - (b) For applicable requirements that will become effective during the permit term, a statement that the source will meet such requirements on a timely basis, unless a more detailed schedule is expressly required by the applicable requirement.
 - (c) A schedule of compliance for sources that are not in compliance with all applicable requirements at the time of permit issuance. This schedule shall include a narrative description of how the source will achieve compliance, a schedule of remedial measures, including an enforceable sequence of actions with milestones, leading to compliance with all applicable requirements. This compliance schedule shall be at least as stringent as that contained in any judicial consent decree or administrative order to which the source is subject. Any such schedule of compliance shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based.
2. A schedule for submission of certified progress reports no less frequently than every six (6) months for sources required to have a schedule of compliance to remedy a violation. Progress reports shall meet the requirements of SC Regulation 61-62.70.6(c)(4)(i) and (ii).
3. The compliance plan content requirements specified in this paragraph shall apply and be included in the acid rain portion of a compliance plan for an affected source, except as specifically superseded by regulations promulgated under Title IV of the act with regard to the schedule and method(s) the source will use to achieve compliance with acid rain emissions limitations.

T. NEED TO HALT OR REDUCE ACTIVITY NOT A DEFENSE

[SC Regulation 61-62.70.6(a)(6)(ii)]

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

U. OPERATIONAL FLEXIBILITY [SC Regulation 61-62.70.7(e)(5)]

In accordance with SC Regulation 61-62.70.7(e)(5), a permitted facility is authorized to make changes within their facility without requiring a permit revision, if the changes are not modifications under Title I of the Act and the changes do not exceed the emissions allowable under this permit. The permitted facility shall provide the Administrator and the Department written notification as required by SC Regulation 61-62.70.7(e)(5) at least seven (7) days prior to such changes.

PART 4.0 FACILITY WIDE REQUIREMENTS

A. EMISSIONS LIMITS AND STANDARDS

Table 4.1 contains summaries of facility wide emission limits and standards.

TABLE 4.1 EMISSION LIMITS AND STANDARDS				
Pollutant	Limit/Standard	Regulation	State Only Requirement	Condition Number
State New Source Review	As Specified in Attachment A	SC Regulation 61-62.1, Section II(A)	Yes	4.B.2 4.B.3
Facility-Wide VOCs	82.5 tpy	SC 61-62.1, Section II	No	4.B.9
Toxic Air Pollutants	As Specified in Attachment A	SC Regulation 61-62.5, Standard No. 8	Yes	4.B.3
Hazardous Air Pollution	Comply with Regulation	SC Regulation 61-62.4	No	N/A
Open Burning	Comply With Regulation	SC Regulation 61-62.2	No	N/A
Fugitive Emissions	Comply With Regulation	SC Regulation 61-62.6, Section III	No	N/A
Ozone Depleting Substances	*	40 CFR Part 82, Subpart F	No	4.B.7
Asbestos	*	40 CFR Part 61.145	No	4.B.8

N/A = Not Applicable

* Specific To Subpart

The maximum allowable emission limits above are derived from the various Federal and State regulations that govern the operation of this type of facility. All applicable facility wide emission limits and corresponding regulations are listed above. Additional operating requirements which may be more stringent than those above are contained in Part 5.0, Part 6.0, and Part 7.0 of this permit.

B. FACILITY WIDE CONDITIONS (Revised 11/13/98)

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Condition Number	Condition
4.B.1	In accordance with SC Regulation 61-62.1, Section II, the permittee must comply with all applicable statutes and regulations of the United States and the State of South Carolina. This permit does not relieve the permittee from compliance with applicable local laws, ordinances, and regulations.
4.B.2	Air dispersion modeling (or other method) has demonstrated that this facility's operation will not interfere with the attainment and maintenance of any state or federal standard. Any changes in the parameters used in the air dispersion modeling may require a review by the facility to determine continuing compliance with these standards. These potential changes include any decrease in stack height, decrease in stack velocity, increase in stack diameter, decrease in stack exit temperature, increase in building height or building additions, increase in emission rates, decrease in distance between stack and property line, changes in vertical stack orientation, and installation of a rain cap that impedes vertical flow. Parameters that are not required in the determination will not invalidate the demonstration if they are modified. The emission rates used in the determination are listed in Attachment A of this permit. Higher emission rates may be administratively incorporated into Attachment A of this permit provided a demonstration using these higher emission rates shows the attainment and maintenance of any state or federal standard or with any other applicable requirement. Variations from the input parameters in the demonstration shall not constitute a violation unless the maximum allowable ambient concentrations identified in the standard are exceeded.
4.B.3	The owner/operator shall maintain this facility in compliance with the pollutant limitations in Part 4, Part 5, Part 6, Part 7, and/or the emission rates as listed in Attachment A of this Part 70 operating permit, whichever is more restrictive. This is a State Only enforceable requirement. Should the facility wish to increase the emission rates listed in Attachment A, it may do so by the administrative process specified in condition 4.B.2
4.B.4	A list of equipment which are considered insignificant pursuant to SC Regulation 61-62.70.5(c) has been submitted with your Title V application and reviewed by our staff. The list, including source descriptions and citation for exemption, is summarized in Attachment B of the permit. Attachment B excludes those activities identified in Part A of the insignificant activities list. Written notification to the Bureau of Air Quality is required for the addition of any new equipment which may meet the definition of insignificant or exempt as described above, excluding those sources listed in Part A of the insignificant activities list. (Revised 11/13/98)
4.B.5	In accordance with SC Regulation 61-62.1 Section II(C)(3), for all sources not required to have continuous emissions monitors, in the event of any malfunction of air pollution control equipment or system, process upset or other equipment failure which results in discharges of air contaminants lasting for one hour or more and which are greater than those discharges described for normal operation in the permit application shall be reported to the local Environmental Quality Control (EQC) District office within twenty-four (24) hours after the beginning of the occurrence. The permittee shall also submit a written report within thirty (30) days of the occurrence. This report shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality (BAQ). The report shall contain as a minimum, the following: the identity of the emission unit and associated equipment where excess emissions occurred, the magnitude of excess emissions, the time and duration of excess emissions, the steps taken to remedy the malfunction and to prevent a recurrence, documentation that control equipment and processes were at all times maintained and operated, to the maximum extent practicable, in a manner that was consistent with good practice for minimizing emissions. Such a report shall in no way serve to excuse, otherwise justify, or in any manner affect any potential liability or enforcement action resulting from the occurrence. This defines the Department's definition of prompt in its relation to the degree of reporting as specified by SC Regulation 61-62.70.6(a)(3)(iii)(b).
4.B.6	In accordance with SC Regulation 61-62.1, Section III an emissions inventory will be completed for the previous calendar year and submitted by March 31 of every even calendar year to the Department. The above requirement notwithstanding, an emissions inventory may be required at any time in order to determine the compliance status of any facility.

Condition Number	Condition
4.B.7	The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, Protection of Stratospheric Ozone, Recycling and Emissions Reduction, except as provided for motor vehicle air conditioners (MVACs) in Subpart B. If the permittee performs a service on motor (fleet) vehicles that involves ozone-depleting substance refrigerant in MVACs, the permittee is subject to all applicable requirements of 40 CFR Part 82, Subpart B, Servicing of MVACs.
4.B.8	The permittee shall comply with the standards of performance for asbestos abatement operations pursuant to 40 CFR Part 61.145 and SC Regulation 61-86.1, including, but not limited to, requirements governing training, licensing, notification, work practice, cleanup, and disposal.
4.B.9	The facility made application submittal for a maximum potential VOC facility emission rate of 82.5 tons per year.

PART 5.0 EMISSION UNIT REQUIREMENTS

A. EMISSION UNIT DESCRIPTION

Table 5.1 is a description of emission units located at this facility.

TABLE 5.1 EMISSION UNITS		
Unit ID	Unit Description	Control Device Description
01	Drying Oven #1	N/A
02	Drying Oven #2	N/A
03	Drying Oven #3	N/A
04	Boiler #1	Electrostatic Precipitator

N/A = Not Applicable

B. CONTROL DEVICE DESCRIPTION

Table 5.2 is a description of control devices located at this facility.

TABLE 5.2 CONTROL DEVICES			
Control Device ID	Control Device Description	Installation Date	Pollutant(s) Controlled
ESP1	Boiler #1 Electrostatic Precipitator	7/74	PM

N/A = Not Applicable

C. EQUIPMENT DESCRIPTION

A description of the equipment located at this facility is provided in the following tables:

TABLE 5.3 UNIT ID 01 – Drying Oven #1				
Equip ID	Equipment Description	Installation Date	Control Device ID	Stack ID
01	0.1 MM Btu/hr natural gas fired drying oven	1968	N/A	Stack A

N/A = Not Applicable

TABLE 5.4 UNIT ID 02 – Drying Oven #2				
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Equip ID	Equipment Description	Installation Date	Control Device ID	Stack ID
02	0.1 MM Btu/hr natural gas fired drying oven	1968	N/A	Stack B

N/A = Not Applicable

TABLE 5.5 UNIT ID 03 – Drying Oven #3				
Equip ID	Equipment Description	Installation Date	Control Device ID	Stack ID
03	0.1 MM Btu/hr natural gas fired drying oven	1968	N/A	Stack C

N/A = Not Applicable

TABLE 5.6 UNIT ID 04 – Boiler #1				
Equip ID	Equipment Description	Installation Date	Control Device ID	Stack ID
04	2,400 mmBtu/hr nominally rated Coal/Fuel Oil/Natural Gas Fired Boiler	1960	ESP1	Stack D

D. EMISSION LIMITS AND STANDARDS

Table 5.12 contains summaries of emission unit emission limits and standards.

TABLE 5.12 EMISSION LIMITS AND STANDARDS						
Unit ID	Pollutant/Standard	Limit	Reference Method	Regulation	State Only	Condition Number
01-03	VOC	2.9 lbs/gallon of coating used excluding water and exempt solvent	24	SC Reg 62.5, Std 5, Sec II, Part C	No	5.E.3
01-03	Opacity	20%	9	SC Reg 62.5, Std 4, Sec IX	No	5.E.2
04	SO ₂ ,NO _x	As Specified in Attachment D	N/A	40 CFR 72, 73, 75 & 76	No	N/A
04	PM	0.41 lb/mmBtu	5	SC 61-62.5, Std No. 1	No	N/A
04	SO ₂	3.5 lb/mmBtu	N/A	SC 61-62.5, Std No. 1	No	N/A
04	Opacity	40%	9	SC 61-62.5, Std No. 1	No	5.E.4

N/A = Not Applicable

The maximum allowable emission limits above are derived from the various Federal and State regulations that govern the operation of this type of source. All applicable facility wide emission limits and corresponding regulations are listed above. Additional operating requirements which may be more stringent than those above are contained in Part 4.0, Part 6.0, and Part 7.0 of this permit.

E. EMISSION UNIT CONDITIONS

Condition Number	Conditions
5.E.1	Drying ovens #1 - #3 are permitted to burn only natural gas as fuel. The use of any other substances as fuel is prohibited without prior approval from the Bureau of Air Quality.

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Condition Number	Conditions
5.E.2	In accordance with South Carolina Regulation 61-62.5, Standard 4 - EMISSIONS FROM PROCESS INDUSTRIES, Section IX - VISIBLE EMISSIONS, Drying ovens #1 - #3 shall not exhibit an opacity which exceeds 20%.
5.E.3	In accordance with South Carolina Regulation 61-62.5, Standard 5, Section II, Part C - Surface Coating of Fabric, The entire coating operation shall not exceed 2.9 lbs/gallon of coating excluding water and exempt solvent.
5.E.4	This source shall not discharge into the ambient air smoke which exceeds an opacity limit of 40%. During times of soot blowing the opacity may be exceeded for a total of 6 minutes in any hour or 24 minutes in any 24 hour period, but shall in no case exceed an opacity of 60%. The opacity standards set forth above do not apply during startup or shutdown. The owner/operator shall, to the extent practicable, maintain and operate any source including associated air pollution control equipment in a manner consistent with good air pollution control practices for minimizing emissions. In addition, the owner/operator shall, for a period of at least five (5) years maintain a log of the time, magnitude, duration and any other pertinent information to determine periods of startup and shutdown and make these records available to a Department representative upon request.

PART 6.0 MONITORING AND REPORTING REQUIREMENTS
[SC Regulation 61-62.1, Section II]; [SC Regulation 61-62.70.6(a)(3)(i)(B)]

A. MONITORING AND REPORTING

Table 6.1 contains summaries of the monitoring and reporting required of this facility.

Unit ID	Pollutant/Parameter	Limit	Required Monitoring	Monitoring Frequency	Reporting Frequency	Condition Number
01-03	VOC/Operating Hours of Drying Oven	3200 hrs/yr* (total for three ovens)	Record keeping	Monthly	Quarterly	6.B.2
Facility-Wide	VOCs and HAP's Usage	N/A	Record keeping	Monthly	Quarterly	6.B.1
01-03	Natural Gas Consumption	N/A	Record keeping	Monthly	Annual	6.B.3
01-03	Opacity	20%	Inspection, Record keeping and Reporting	Daily	Annual	6.B.4
04	PM	0.41 lb/mmBtu	Source Test	As Specified	As Specified	6.B.5, 6.B.6 6.B.7, 6.B.8
04	SO ₂	3.5 lb/mmBtu	CEM	Continuously	Quarterly	6.B.9, 6.B.12
04	Opacity	40%	COMS	Continuously	Quarterly	6.B.10, 6.B.11, 6.B.12
04	SO ₂ , NO _x , CO ₂ ,	As specified	As specified	As Specified	As specified	6.B.13

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	Heat input				
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N/A = Not Applicable
* 12 month rolling sum

B. MONITORING AND REPORTING CONDITIONS

Condition Number	Conditions
6.B.1	The owner/operator shall maintain monthly consumption records of all materials containing volatile organic compounds (VOCs) and hazardous air pollutants (HAPs). These records shall include the total amount of each material used, the VOC content in percent by weight of each material, and the hazardous air pollutant (HAP) content in percent by weight. VOC and HAP emissions shall be calculated on a monthly basis and a twelve month rolling sum shall be calculated for total VOC and HAP emissions. The twelve month rolling sum shall not exceed 82.5 tpy of VOCs facility-wide. The owner/operator shall maintain all records, including material purchase orders, invoices, and material data sheets, etc. for a period of at least five (5) years and shall make these records available to Department personnel upon request. Quarterly reports including all recorded parameters and calculated values shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality postmarked no later than 30 calendar days after the end of the reporting period.
6.B.2	Drying ovens #1-#3 are limited to operating a maximum of 3200 hours per year (total for three ovens) on a twelve month rolling sum. ABC Company must record the actual monthly operating hours and maintain these records on-site for a period of at least five (5) years. These records shall be made available to a Department representative upon request. Quarterly reports including all recorded parameters and calculated values shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality postmarked no later than 30 calendar days after the end of the reporting period.
6.B.3	The permittee shall keep the records of total amount of natural gas consumed by drying ovens #1-#3. A monthly log of natural gas consumption shall be maintained for each hour of operation. The owner/operator shall maintain all records, including material purchase orders, and invoices, etc. for a period of at least five (5) years and shall make these records available to Department personnel upon request. Annual reports including all recorded parameters shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality postmarked no later than 30 calendar days after the end of the reporting period.
6.B.4	The facility shall conduct qualitative daily visual observations during daylight hours for monitoring opacity limits during periods of source operation. A log shall be maintained noting the color, duration, density (heavy or light), cause and corrective action taken for any abnormal emissions. Annual reports including all recorded parameters shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality postmarked no later than 30 calendar days after the end of the reporting period.
6.B.5	Compliance with the PM emission limit shall be demonstrated through annual source testing in accordance with SC Regulation 62.1, Section IV - "Source Tests", and Federal requirements, when applicable. EPA Reference Test Method 5 shall be used for determination of particulate emissions. PM compliance shall be determined by averaging the test run emission rates over the test run durations as specified in the required test protocol. For periodic monitoring purposes if a unit exceeds 80 percent of its particulate emission limit during a stack test, stack tests shall be scheduled and conducted every 6 months. Upon demonstration that the source is operating under 80 percent of its particulate limit, as shown by three consecutive semiannual stack tests, the source may resume annual stack testing. All source test reports shall be submitted to the Manager of the Source Evaluation Section of the Bureau of Air Quality no later than 30 days after the completion of the on-site testing.

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Condition Number	Conditions
6.B.6	To meet the periodic monitoring requirement for particulate matter, the permittee shall use a continuous opacity monitor (COM). Excluding unit startup and shutdown, if any three hour block average opacity value exceeds the opacity standard, the permittee shall, as appropriate, initiate an inspection of the control equipment and/or the COM system and make the necessary repairs. If five (5) percent or greater of COM data (excluding startup, shutdown, and malfunction periods, data averaged over a three hour block period) recorded in a calendar quarter show excursions above the opacity standard, the permittee shall perform a stack test in the following calendar quarter to demonstrate compliance with the particulate standard. The permittee shall submit a compliance test protocol representative of operational conditions during the period in question as required by SC Regulation 62.1, Section IV - "Source Tests" before conducting the test.
6.B.7	The Department shall be notified not less than two (2) weeks before the proposed initiation of the tests so the Department may observe the test if it desires to do so.
6.B.8	These conditions shall not supersede any State or Federal requirements such as National Emission Standards for Hazardous Air Pollutants, unless these conditions would impose a more restrictive limit.
6.B.9	Quarterly Continuous Emissions Monitoring Reports shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality postmarked no later than 30 calendar days after the end of the reporting period. These reports shall include the 24 hour block average (24-one hour measurements which are summed and divided by 24) sulfur emission rates in lb/mmBTU, using unbiased data collected from the 40 CFR Part 75 acid rain CEMS. The standard missing data procedures as outlined in 40 CFR Part 75 will be used to represent SO ₂ values during monitoring periods.
6B.10	Compliance with the Opacity limit shall be demonstrated through source testing in accordance with EPA Reference Test Method 9 and shall be done concurrently with required PM emissions testing. All source test reports shall be submitted to the Manager of the Source Evaluation Section of the Bureau of Air Quality no later than 30 days after the completion of the on-site testing.
6B.11	<p>Quarterly Continuous Opacity Monitor reports shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality postmarked no later than 30 calendar days after the end of the reporting period. Monitor operations shall be subject to South Carolina's "Continuous Monitoring System Evaluation Plan"(6/99), as amended. The report shall include the following minimum information:</p> <ul style="list-style-type: none"> A. All integrated six minute opacity measurements for periods during which the applicable provisions of SC 62.5, Std. 1, Section I have been exceeded, together with their nature and cause. B. For periods of monitoring system malfunction: <ul style="list-style-type: none"> I) The date and time identifying each period during which the monitoring system was inoperative, except for zero and span checks. ii) The nature of monitoring system repairs or adjustments. iii) Proof of opacity monitoring system performance may be required by the Department whenever repairs or adjustments have been made. C. Boiler system repairs or adjustments made to correct violations of the provisions of SC 62.5, Std. 1, Section I.
6B.12	The owner/operator shall maintain on file all measurements including continuous monitoring system or monitoring device performance measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required in a permanent form suitable for inspection by Department personnel for at least five (5) years following the date of such measurement, maintenance, report and record.
6.B.13	The owner/operator shall comply with the monitoring and reporting requirements as provided in 40 CFR Parts 74, 75, and 76.

PART 7.0 ADDITIONAL CONDITIONS

A. SPECIFIC CONDITIONS

No specific conditions at this time.

B. OPERATIONAL FLEXIBILITY [SC Regulation 61-62.70.7(e)(5)]

No proposed reasonably anticipated operating scenarios identified in the permittee's Part 70 Application.

C. COMPLIANCE SCHEDULE [SC Regulation 61-62.70.5(c)(8)]

Not applicable at this time.

D. PERMIT SHIELD [SC Regulation 61-62.70.6(f)] (Revised 11/13/98)

A copy of the "applicability determination" ABC COMPANY submitted with its Part 70 permit application is included as Attachment C. Compliance with the terms and conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance. The permittee shall also be shielded from any non-applicable requirements as agreed upon by the Department as specified in Attachment C.

Nothing in the permit shield or in any Part 70 permit shall alter or affect the provisions of Section 303 of the Act, Emergency Orders, of the Clean Air Act; the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance; the applicable requirements of the Acid Rain Program, consistent with Section 408(a) of the Clean Air Act; or the ability of EPA to obtain information from a source pursuant to Section 114 of the Clean Air Act. In addition, the permit shield shall not apply to emission units in noncompliance at the time of permit issuance, minor permit modifications (SC Regulation 61-62.70.7(e)(2)), group processing of minor permit modifications (SC Regulation 61-62.70.7(e)(3)), or operational flexibility (SC Regulation 61-62.70.7(e)(5)), except as specified in SC Regulation 61-62.70.7(e)(5)(iii).

ATTACHMENT A

Modeled Emission Rates

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AMBIENT AIR QUALITY STANDARDS - STANDARD NO. 2

POLLUTANT	MODELED EMISSION RATE (lbs/hr)	STACK(S)
SO ₂	14,489.9	Facility wide
TSP/PM ₁₀	1922.3	Facility wide
NO _x	10128.2	Facility wide
CO	2649.3	Facility wide

TOXIC AIR POLLUTANTS MODELED - STANDARD NO. 8

POLLUTANT	CAS NUMBER	MODELED EMISSION RATE (lbs/hr)	STACK(S)
Methanol	67561	62.5	A,B,C

ATTACHMENT B

Insignificant Activities

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The following table contains a list of activities which are considered insignificant pursuant to SC Regulation 61-62.70.5(c). Sources listed below are not exempt from any otherwise applicable state or federal requirements including, but not limited to, opacity standards, ambient air quality standards, and air toxic standards.

ID	General Description	Basis
A	8000 gallons capacity methanol underground storage tank	TAPs < 1000 lbs/yr

N/A = Not Applicable

example

ATTACHMENT C

Applicable and No-Applicable Federal and State Regulations

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The following contains the Federal and South Carolina air pollution regulations, which were specified in the Part 70 permit application and determined as applicable and non-applicable by the Department as of the date of this permit issuance. This attachment may be revised by the Department in the event of a change in the nature or emission of pollutants at the source or promulgation of new or revised regulations.

example

ATTACHMENT D

ABC COMPANY

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State of South Carolina Acid Rain Permit

Issued to: ABC COMPANY

Operated by: ABC COMPANY

ORIS code:

Permit No.: 1910-0006

Issue Date: March 15, 2002

Effective: April 1, 2002

Expiration: March 30, 2007

Acid Rain Permit Contents:

- 1) Statement of Basis
- 2) SO₂ Allowance Allocation and NO_x Requirements for Each Affected Unit.
- 3) Permit Revisions.
- 4) The permit application submitted for this source, as corrected by South Carolina Department of Health and Environmental Control. The owners and operators of the source must comply with the standard requirements and special provisions set forth in the application.

1) **Statement of Basis:**

In accordance with the provisions of the Federal Clean Air Act as amended in 1990, the Pollution Control Act, Sections 48-1-50(5) and 48-1-110(a) and Titles IV and V of the Clean Air Act, the South Carolina Department of Health and Environmental Control issues this permit pursuant to the 1976 Code of Laws of South Carolina, as amended, Regulation 61-62.

This permit is being reissued to incorporate the NO_x requirements for each affected unit as required by the December 16, 1996 final rule that implements the second stage of the Nitrogen Oxides (NO_x) Reduction Program under Title IV of the Clean Air Act of 1990.

ATTACHMENT D

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2) SO₂ Allowance Allocations and NO_x Requirements for Each Affected Unit:

		2002	2003	2004	2005	2006
UNIT 04	SO ₂ allowances, under Tables 2, 3, or 4 of 40 CFR part 73.	3814*	3814*	3814*	3814*	3814*
	NO _x Limit	<p>Pursuant to 40 CFR 76.11, SC DHEC, Bureau of Air Quality approves a NO_x emissions averaging plan for this unit, effective from calendar years 2000 through 2004.</p> <p>Under the plan, the actual Btu-weighted annual average NO_x emission rate for the units in the plan shall be less than or equal to the Btu-weighted annual average NO_x emission rate for the same units had they each been operated, during the same period of time, in compliance with the individual applicable emission limitations under 40 CFR 76.5, 76.6, or 76.7, except that for any early election units, the applicable emission limitation shall be under 40 CFR 76.7. If the designated representative demonstrates that the requirement of the prior sentence (as set forth in 40 CFR 76.11(d)(1)(ii)(A)) is met for a year under the plan, then this unit shall be deemed to be in compliance for that year with its alternative contemporaneous annual emission limitation and annual heat input limit.</p> <p>If the designated representative cannot make the above demonstration (as set forth in 40 CFR 76.11(d)(1)(ii)(A)) for a year under the plan and if this unit fails to meet the annual average alternative contemporaneous emission limitation of 0.5 lb/mmBtu or has an annual heat input greater than 10,065,000 mmBtu, then excess emissions of nitrogen oxides occur during the year at this unit. A penalty for excess emissions will be assessed in accordance with 40 CFR 77.6.</p> <p>In accordance with 40 CFR 72.40(b)(2), approval of the averaging plan shall be final only when the North Carolina Department of Environmental and Natural Resources-Bureau of Air Quality and Western North Carolina Regional Air Pollution Control Agency has also approved the averaging plan.</p> <p>In addition to the described NO_x compliance plan, this unit shall comply with all other applicable requirements of 40 CFR 76, including the duty to reapply for a NO_x compliance plan and requirements covering excess emissions.</p>				

* The number of allowances allocated to Phase II affected units by U.S. EPA may change in under 40 CFR part 73. In addition, the number of allowances actually held by an affected source in a unit account may differ from the number allocated by U.S. EPA. Neither of the aforementioned conditions necessitate a revision to the unit SO₂ allowance allocations identified in this permit (See 40 CFR 72.84).

3) Permit Revisions:

4) Permit Application and Compliance Plan:

The acid rain permit application and compliance plan are incorporated into the permit and constitutes an enforceable part of the permit.